

WHAT IS CLAIMED IS:

1. A projector, comprising:
  - a lamp;
  - an optical modulator that modulates light from the lamp;
  - a projection lens that projects the modulated light;
  - a lens cap that protects the projection lens;
  - a detector that detects the lens cap on the projection lens; and
  - a projected display controller that controls the optical modulator so as to block or reduce the light from the lamp if the lens cap is found to be detected based on a signal from the detector.
2. The projector according to Claim 1,
  - wherein the projected display controller controls the optical modulator so as to go back to an original display that is projected before the light from the lamp is blocked or reduced if the lens cap is found to be taken off based on a signal from the detector.
3. The projector according to Claim 1,
  - wherein the projected display controller controls the optical modulator so as to block or reduce the light from the lamp to turn a projected display into black, gray, or blue.
4. The projector according to Claim 1,
  - wherein the detector is a microswitch.
5. The projector according to Claim 1,
  - wherein the optical modulator includes a liquid crystal panel, and a polarizing plate on both input and output sides of the liquid crystal panel.